

LIBRARY CATALOG

by Buzz Rudow

One of the things a User Group can do is provide a library of public domain software for its members. We've tried to do this from the beginning, but haven't been very active lately. This issue tries to bring the Library Catalog closer to being up-to-date.

One of the problems of a 'catalog' of this size is that it is either way too vague, and the user doesn't know what a program does, or it is way too complete, and it ends up hundreds of pages long. The Micropolis/Vector Graphic Users Group Library Catalog will evolve to a product that is inbetween. I'll try to be succinct in my words, but, when possible, will identify the purpose of each entry on a disk. I'll also try to accumulate a 'DISK.DOC' file for each disk. Useful programs will be briefly discussed in the newsletter.

It should be obvious that this Library software has no guarantee, and no particular support. The availability and quality of user documentation varies from program to program. If users will comment on the attributes and deficiencies of software they try to use, I'll include their comments in the DOC file for subsequent users.

HOW IT WORKS

The MUG Library is currently broken into two sections. One is for the Micropolis operating system, MDOS, and the other is for the CP/M operating system.

MUG Library disks are available in two ways. If you buy a disk out-right, the cost is \$10 (\$12 outside North America). If you submit a program for the library, on your own disk, I'll return a library disk for \$3 (\$5 outside North America).

The above prices assume a Micropolis MOD II format. That's the 16-hard sector, single-sided quad density, for those of you running Tandons. If you want your library disk on MOD I, MOD IV, or 8" format, add \$2. All you double-sided Vector (same as a MOD IV) people can read MOD II by setting up one of your floppies to read both MOD IV and MOD II. That is, if you have two floppies, drive B can be set to double-sided, and the same drive can be referenced as "C" and read single-sided. A hard disk system usually has the floppy referenced as "C" for double-sided, and "D" for single-sided.

If you are submitting multiple programs in exchange for multiple library disks, all your programs can be on one disk. Just be sure to send blank disks to put the library disks on.

You can submit MDOS and request CP/M, and visa versa. There are no rules about submitting duplications of existing library programs. I would be

pleased if you would limit duplications to programs that you believe to be enhancements of current library programs, or do the same job in a different way. The revision (expansion, "cleaning-up" for control codes, etc., or documentation) of existing programs counts as a submission.

I don't have time to review all these programs. Any information you can give me will be appreciated, and will be added to a DOC file or to the library catalog.

Any of the CP/MUG or SIGM disks can be obtained at the 8" price, but the turnaround will be about 2 days longer.

A relatively full description of each disk is contained in each of the MDOS or CP/M Library Catalogs. Each catalog is \$2. For reference, the titles of each set of library disks are listed below.

CP/M LIBRARY DISKS

DSK	RV	CONTENTS
1001	00	MBASIC/BASIC80 GAMES
1002	00	SYSTEM UTILITIES
1003	00	MBASIC/BASIC80 GAMES
1004	00	SYSTEM UTILITIES
1005	00	SYSTEM UTILITIES
1006	00	SYSTEM UTILITIES
1007	00	CBASIC PROGRAMS
1008	00	HARDWARE INTERFACES
1009	00	SYSTEM UTILITIES
1010	00	ADVENTURE GAME
1011	00	C-SOURCE FOR PACMAN
1012	00	CONF. PACMAN/GAMES
1013	00	FORTH
1014	00	MBASIC/BASIC80 GRAPHICS
1015	00	BASIC-E PROGRAMS
1016	00	
1017	00	MEX COMMUNICATIONS
1018	00	MEX COMMUNICATIONS
1019	00	MEX COMMUNICATIONS
1020	00	MEX COMMUNICATIONS
1900	00	COMMUNICATIONS
1901	00	MIXED NEW ADDITIONS
1902	00	FORTH
1903	00	MIXED NEW ADDITIONS
1904	00	STOCK MARKET
1905	00	UTILITIES
1906	00	MBASIC/BASIC80 GAMES
1907	00	MODEM PROGRAMS
1908	00	MISCELLANEOUS
1909	00	MBASIC/BASIC80 GAMES
1910	00	MBASIC/BASIC80 GAMES
1911	00	MISCELLANEOUS
1912	00	MISCELLANEOUS
1913	00	MISCELLANEOUS

MDOS LIBRARY DISKS

DSK	RV	CONTENTS
0001	01	BASIC APPLICATIONS
0002	01	BASIC & ASSM SUBROUTINES
0003	01	GAMES
0004	28	MEMBERSHIP DISK
0005	00	SOFTWARE VENDORS
0006	08	SYSTEM UTILITIES
0007	03	BASIC UTILITIES & APPL'NS
0008	00	BUSINESS & GAMES
0009	04	SYSTEM UTILITIES
0010	00	MDOS CATALOG SYSTEM
0011	01	SYSTEM UNIQUE
0012	00	TECHNICAL & HOUSEHOLD
0013	06	MUG NEWSLETTER INDEX
0014	02	DATA BASE MANAGERS
0015	00	Z80 ASSEMBLER
0016	02	SYSTEM PATCHES/ENH'S
0017	00	MDOS DISASSEMBLY
0018	01	SYSTEM DISASSEMBLIES
0019	04	GAMES
0020	00	FORTH
0021	01	SYSTEM UNIQUE
0022	01	H/W, HAM & COMM.
0023	03	BUSINESS
0024	02	BASIC UTILITIES
0025	01	EDUCATION
0026	02	HOME
0027	00	FARM
0028	00	DATA BASE MANAGERS
0029	01	SCIENCE & ENGINEERING
0030	00	BASIC UTILITIES
0031	00	ADVENTURE GAMES
0032	01	BASIC SUBROUTINES
0033	00	SYSTEM UNIQUE
0034	01	GAMES
0900	00	MIXED NEW ADDITIONS
0901	00	MIXED NEW ADDITIONS
0902	00	AMWAY ACCTG SYSTEM
0903	00	BASIC DISASSEMBLY, UTIL
0904	00	DATABASE MGRS, DIGITIZER
0905	00	MISCELLANEOUS
0906	00	MISCELLANEOUS
0907	00	MISCELLANEOUS

The format of the 'catalog' mentioned earlier is shown on the following two pages. These disks, numbers 1017 through 1020, and 1911 through 1913, are for the CP/M operating system. They have never been referenced before in the newsletter. For those of you who have kept the back issues of the newsletter, all disks have been previously discussed. For those of you who want them, as I stated before, catalogs for both the MDOS and CP/M libraries are available for \$2 each. The descriptions are generally much better than on the disks shown in this newsletter. I haven't yet taken the time to fully review the contents of each disk, so I haven't gotten the descriptions up to date.

SPELLBINDER'S CUSTOMIZED HELP FILES

One of Spellbinder's many useful features is the way it lets you create your own help files, customized to your particular needs.

EASY TO CREATE

And it's easy to do -- you create a help file just as you would any text file, and it can be of any length. When you ask for a help file to be displayed on screen, any text in your workspace temporarily disappears. If the file is longer than one screen page, you can scroll through it by pressing the space bar. When you press **Escape**, the help message disappears and your text is once again displayed on the screen.

LOTS OF USES

Just how would you use help file? Every day you probably refer to various printed lists, data sheets or other documents. But you don't have to shuffle through papers on your desk or pin notes to your walls for this information. Instead, enter your data into a Spellbinder help file and call it up whenever you need it.

For example, you might want to have on hand the phone numbers of various office suppliers. Create a list with name, address and phone. Then save it as file "SUPPLY.HEP" (the ".HEP" extension is how you flag the file as a help message). When you want to look up a supplier, go into Command Mode and type HE. When asked for the name of the help file, type its name (without the ".HEP"). The list appears on the screen. If it's a long list, simply press the space bar to view the next portion.

One office used Spellbinder to create a list of emergency numbers -- not only the numbers of police and fire departments, but also the names of people whom employees wanted notified in case of an accident.

Other help files might include product lists, tax tables, telephone area codes, office procedures, birthdays and anniversaries (personal or work-related).

If you have information on a subject that is scattered in several locations, a help file is an excellent way to gather it all together. For example, you might have a group of Spellbinder files which all relate to the same subject, but which are on a disk with other, unrelated, files. You can create a help file which lists all the files which deal with one subject or task. This can be particularly helpful when it's important to update a group of files at the same time.

If you find yourself thumbing through the Spellbinder manual frequently to remind yourself how to do certain operations, why not type the instruction into a help file?

(continued on page 5)

NEW LIBRARY DISKS

Library Disk 1017, Revision 00 MEX COMMUNICATIONS PROGRAMS

NAME	TYP	RV	SIZE	DESCRIPTION
KGRAFMEX	LBR	00	004	
LDIR	COM	00	008	
LDIR	HLP	00	002	
LIBRARYS	DOC	00	002	
LSWP	COM	00	016	
LSWP	HLP	00	010	
MEX	HLP	00	048	
MEX-SET	DOC	00	012	
MEX11UPD	DOC	00	010	
MEX2-NOS	DOC	00	014	
MEXFILES	INF	00	008	
MEXNEWS	001	00	008	
MEXNEWS	002	00	010	
MEXNEWS	003	00	008	
MEXNEWS	004	00	010	
MX111UPD	DOC	00	002	
MX112UPD	DOC	00	004	
MXO-KP41	ASM	00	042	
MXO-KPS3	ASM	00	032	
MXO-KPS4	ASM	00	032	
PIP	COM	00	008	
STAT	COM	00	006	

(74k free)

Library Disk 1018, Revision 00 MEX COMMUNICATIONS PROGRAMS

NAME	TYP	RV	SIZE	DESCRIPTION
MEX	HLP	00	052	
MEX112	COM	00	024	
MEX11DOC	TOC	00	004	
MEX11DOC	WS	00	076	
MEX20OC	HYP	00	004	
MEXPAT11	ASM	00	006	
MLOAD21	COM	00	004	
MXO-DP10	ASM	00	010	
MXO-DT10	ASM	00	012	
MXO-EP10	ASM	00	010	
MXO-EPQX	ASM	00	014	
MXO-EPQX	DOC	00	004	
MXO-GB10	ASM	00	014	
MXO-H811	ASM	00	012	
MXO-HZ11	ASM	00	010	
MXO-I112	ASM	00	012	
MXO-OSEX	ASM	00	014	
PIP	COM	00	008	
STAT	COM	00	006	

(0k free)

Library Disk 1019, Revision 00 MEX COMMUNICATIONS PROGRAMS

NAME	TYP	RV	SIZE	DESCRIPTION
MXO-KP26	ASM	00	030	
MXO-KP26	NOT	00	004	
MXO-LO12	ASM	00	012	
MXO-MD10	ASM	00	016	
MXO-MD11	ASM	00	016	
MXO-MM10	ASM	00	016	
MXO-NE10	ASM	00	010	
MXO-NS10	ASM	00	020	
MXO-OS01	ASM	00	014	
MXO-OS02	ASM	00	016	
MXO-PM11	ASM	00	028	
MXO-R210	ASM	00	014	
MXO-RT10	ASM	00	014	
MXO-RV12	ASM	00	014	
MXO-SB10	ASM	00	018	
MXO-SC10	ASM	00	008	
MXO-SM12	ASM	00	010	
MXO-TV10	ASM	00	012	
NAMEOFFX	MEX	00	002	
PIP	COM	00	008	
STAT	COM	00	006	

(8k free)

Library Disk 1020, Revision 00 MEX COMMUNICATIONS PROGRAMS

NAME	TYP	RV	SIZE	DESCRIPTION
MXO-NE11	ASM	00	012	
MXO-R+10	ASM	00	014	
MXO-SY11	ASM	00	016	
MXO-US11	ASM	00	022	
MXO-XE10	ASM	00	012	
MXO-ZB11	ASM	00	018	
PIP	COM	00	008	
STAT	COM	00	006	

(94k free)

Library Disk 1911, Revision 00 MISCELLANEOUS

NAME	TYP	RV	SIZE	DESCRIPTION
BASIC2	ASC	00	002	Program file from article on language compilers. See April 85 MUG Newsletter.
C80	ASC	00	004	Program file from article on language compilers. See June 85 MUG Newsletter.
CBIOS	COM	00	004	
CBIOS	MAC	00	036	
CHECK	BZS	00	004	
CONFIG	BZS	00	006	
CPM10	ASM	00	004	
CPM10	Z80	00	004	
D	COM	00	002	
D2	COM	00	004	Sorted directory. Shows number of directory entries available. Has top-to-bottom alphabetizing.
DISK	COM	00	004	
DISK	MAC	00	024	
EXPC	BZS	00	002	
EXPE	BZS	00	016	
EXPP	BZS	00	004	
EXPY	BZS	00	002	
INITIAL	ASM	00	012	
LDIR	COM	00	008	
LDIR	HLP	00	002	
LOADBIN	COM	00	002	
LOADBIN	Z80	00	018	
LSWP	COM	00	016	
LSWP	HLP	00	010	
NSWP	COM	00	012	NEWSWEEP Ver. 207. Incorporates Squeeze and UnSqueeze. Copies, deletes, tags, renames, views, etc.
NSWP2	HLP	00	012	
PASCAL	ASC	00	002	Program file from article on Language compilers. See May 85 MUG Newsletter.
PIP	COM	00	008	
RECOVER	COM	00	004	UNerase program. Can see if disk contains erased files or not.
SIM	BZS	00	006	
STREK	BZ0	00	016	
STREK	BZS	00	008	
SWAP	COM	00	002	
SWAP	MAC	00	002	
TYPEARN	LBR	00	028	

(6k free)

Library Disk 1912, Revision 00 MISCELLANEOUS

NAME	TYP	RV	SIZE	DESCRIPTION
AMODEM	ASC	00	004	
AMODEM	COM	00	002	
BG	COM	00	018	
BMODEM	BAS	00	002	
CATALOG	LBR	00	024	
DASM	COM	00	010	
DCOPYPAT	ASM	00	006	
DISK7	COM	00	004	
FINDBAD	COM	00	002	
FINDBD54	COM	00	002	
FIX	COM	00	036	
FORM	LBR	00	012	

LIBRARY DISK 1912 (CONT.)

HSCPM	DOC	00	018
HSCPM14	ASM	00	008
HSCPM22	ASM	00	008
LBR	DOC	00	002
LU310	COM	00	020
LUDEF3	DOC	00	008
MDM727	COM	00	020
MLOAD	COM	00	004
NSWEEP	LBR	00	032
PIP	COM	00	008
RCPMLIST	Z0	00	022
SD	COM	00	004
SORT	ASC	00	006
SORT	BZS	00	004
SORTDIR	COM	00	002
STAT	COM	00	006
USQ	COM	00	002

(0k free)

Library Disk 1913, Revision 00 MISCELLANEOUS

NAME	TYP	RV	SIZE	DESCRIPTION
/	COM	00	002	
/DUP	COM	00	002	
BAUDSET	ASM	00	008	
BAUDSET	DOC	00	002	
DBOSLOC	ASM	00	002	
DBOSLOC	COM	00	002	
DISPLAY	COM	00	002	
DISPLAY	DOC	00	004	
DUU	DOC	00	014	
PIP	COM	00	008	
SAP38	COM	00	002	Sort and pack disk directory.
SC	COM	00	010	
SEEBYTE	ASM	00	018	
SEEBYTE	COM	00	002	
SET/8251	ASM	00	018	
SET/8251	COM	00	002	
UNERA12	ASM	00	008	Unerase a file. You must know the name.
UNERA12	COM	00	002	
UNSQ12	COM	00	004	Unsqueeze a squeezed file.
USARTSET	ASM	00	006	
USARTSET	COM	00	002	
USRCHART	DOC	00	004	
USRTMODE	DOC	00	008	
UZARTSET	ASM	00	008	
UZARTSET	COM	00	002	
ZCPR	ASM	00	052	
ZCPR	DOC	00	006	A good explanation of ZCPR.

(98k free)

SPELLBINDER HELP FILES (continued)

When using Spellbinder's CUESORT program to sort mailing lists by various categories, it's sometimes difficult to remember all the categories you've created without consulting a list. A help file can easily remind you what the various combinations of letters and numbers represent.

I use the help files for my lists of things that need to be done (TO-DO) and for saving references to potential articles for the newsletter. When I want to work on an article, but can't remember the name, I type HE NEWS and the following shows up.

TABLE OF CONTENTS

```
06/01/85
001 - KING CONF8251
002 - KING LETTER
003 - ORGANIZER
004 - TIDBITS
005 - VAN COTT, BLAZER LETTERS
006 - KING CPM PUB DOM
007 - KING ZCPR
008 - LAND REPAIR
009 - MP CONTROLLER PATCH
010 - SPELLBINDER HELP FILES
011 - LIBRARY UPDATE
012 - RETIREMENT
013 - LYNN'S SURVEY
014 - CPM LIB DISKS UPDATE
015 - BASIC/Z CROSS REFERENCE
016 - ESCAPE SEQUENCES
017 - ZBASIC
018 - CPM DOC FILES
019 - MDOS DOC FILES
020 - SPIRER LETTER
```

where 001, etc., refers to disk file "86-001.WPF".

SEGMENTING THE OUTPUT

After asking for a help file, Spellbinder normally displays a full screen of text at one time. If the entire file won't fit on the screen at once, you press the space bar to continue viewing. If your help files are long, it's better to break the text up into sections which can be displayed at separate units. Do this by placing an &< on a separate line at the end of each section. Press the space bar and Spellbinder will either read in a full screen of text, or the amount of text up to the next &. For example, a help file section might end this way:

```
Acme Motors 2345 6th St. Federal, IL 50201 916 758-3630<
&<
```

Note that carriage returns are *not* visible when the help message is actually displayed.

I segment my "TO-DO" list in terms of *Today, This Week, & This Month*.

LOVE THIS WORDPROCESSOR

Customizing help messages is an example of the flexibility that has made Spellbinder the word processor of choice for thousands of microcomputer users around the world.

CLASSIFIED

The Classified Section of the MUG Newsletter is available to all users, free of charge. Just call or write us with a description of what hardware, software, information, etc., that you want to obtain, or dispose of.

WANTED - Vector Graphic Flashwriter II Board for my System B.

Gene Riding, 2227 Chicago St., San Diego CA 92110, or telephone (619) 276-6224 anytime.
(406) 449-3870.

.....

WANTED - A used 1263-I, 35 Megabyte Micropolis Winchester disk subsystem.

Dave Land, 10020 Fontana, Overland Park KS 66207. Phone (913) 648-1373.

.....

FOR SALE - as a PACKAGE: Vector Graphic System "B" with Memorite II & Memorite III. Complete *Peachtree Software Accounting* Package. Sale due to lack of Vector service in Hawaii. Includes the following components:

1. MZ Box
2. Mindless Terminal
3. Qume Daisy Wheel Printer Model S3/55.
4. Over 100 disks, many never used.
5. 1 dozen Qume Printer ribbons.
6. Complete documentation.

Loren G. McNeil, McNeil Realty, Inc., P.O. Box 329, Kihei, Maui HI 96753. Phone (808) 242-7052.

.....

WANTED - Manuals for the following two boards: Seattle Computer Products SCP 400B MULTIPORT 4-port serial board; Solid State Music 2 serial/4 parallel I/O board. Will pay for any reproduction and shipping expenses.

Buzz Rudow, 604 Springwood Circle, Huntsville AL 35803 (205) 881-1697.

.....

ADVERTISEMENTS

CP/M

OPERATING SYSTEM
FOR 16-HARD SECTOR
MICROPOLIS/VECTOR GRAPHIC
SYSTEMS

Limited Quantity at \$170

(regularly \$260)

SPELLBINDER

Word Processing and Office Management System

	List Price	DAMAN's Price
SPELLBINDER	\$495	\$312
DESKTOP PUBLISHER	\$650	\$495
SCIENTIFIC	\$790	\$615
USER'S MANUAL	\$ 45	\$ 45
TECHNICAL MANUAL	\$ 60	\$ 56

MDOS SOFTWARE

Bookkeeping	\$150
Allen Extensions	\$ 40
(Assembly Lang. aids)	
Inventory One	\$ 40
Data Base Two	\$ 40
Modifile/Modimath	\$ 40
(for Data Base Two)	
React	\$ 40
(Action item maintenance)	
Wamsort	\$ 40
(Assembly language sort)	
BEM	\$ 40
(Basic Expansion Module)	
DSM-1	\$ 40
(MDOS Disassembler)	

MDOS

OPERATING SYSTEM
FOR 16-HARD SECTOR
MICROPOLIS/VECTOR GRAPHIC
SYSTEMS

SINGLE-SIDED	\$ 25
DOUBLE-SIDED	\$ 50
USER'S MANUAL	\$ 50
SOURCE CODE	\$100

CP/M SOFTWARE

INVENTORY CLEARANCE SALE

GAMES

	List Price	DAMAN's Price
Orbquest	\$ 40	\$ 20
Millionaire	\$ 70	\$ 30
Zork I, II, or III	\$ 50	\$ 29
Deadline	\$ 60	\$ 35
Suspended	\$ 60	\$ 35
Witness	\$ 60	\$ 35
Starcross	\$ 50	\$ 29
Analiza II	\$ 50	\$ 29

BUSINESS APPLICATION

	List Price	DAMAN's Price
Day Master	\$200	\$ 50
(calendar maintenance)		
Supercalc I	\$195	\$127
(electronic spreadsheet)		
Total Acct. Partner	\$395	\$200
(full accounting system)		
Optimizer	\$200	\$ 70
(management optimization)		
Info-Star	\$495	\$250
(data base manager)		
Word-Star	\$350	\$210
(word processor)		
Calc-Star	\$195	\$110
(electronic spreadsheet)		

All products available from **DAMAN**. Call Lynn or Buzz at (205) 881-1697, or write us at 604 Springwood Circle, Huntsville AL 35803.

INVENTORY CLEARANCE SALE
Good Through August 31, 1986

COMPUTERS

- USED Vector 4/20 or 4-S/20 Computer - 2 630K V3 and MZ compatible hard sector drives, 128K RAM and CP/M-86. MD-DOS optional. Retail for \$4,495. Sale price \$1,295.
- * USED Vector 4/30 or 4-S/30 Computer - 1 630K V3 and MZ compatible hard sector drive, 5Mb hard disk, 128K RAM and CP/M-86. Retail for \$5,495. Sale price \$1,395.
- * USED Vector 4/40 or 4-S/40 Computer - 1 630K V3 and MZ compatible hard sector drive, 10Mb hard disk, 128K RAM and CP/M-86. Retail for \$6,495. Sale price \$1,495.
- * USED Vector System B or MZ Computer - with 64K and 300K disk drives, and Vector Mindless Terminal or Hazeltine 1500 CRT. Originally was \$6,495. Sale price \$795.
- USED Vector 2600 Computer - with 64K and 2 630K hard sector drives. Retail was \$3,995. Sale price \$1,495.
- USED Vector 3005 Computer - with 64K, one floppy and a 5Mb hard disk. Retail was \$5,995. Sale price \$1,695.
- USED Vector 3010 Computer - with 64K, one floppy and a 10Mb hard disk. Sale price \$1,995.
- USED Vector 5005 Computer - with 128K, one floppy and a 5Mb hard disk. Can accommodate up to four add-on terminals (see below). Retail was \$6,250. Sale price \$1,695.
- USED Vector 5010 Computer - with 128K, one floppy and a 10Mb hard disk. Can accommodate up to four add-on terminals (see below). Retail was \$6,750. Sale price \$1,995.
- * USED Vector 5032 Computer - with 64K, one floppy and a 32Mb hard disk. Can accommodate up to four add-on terminals (see below). Retail was \$11,995. Sale price \$2,195.
- * NEW Vector 5032E Computer - with 128K, one floppy and a 32Mb hard disk. Vector 4 style enhanced video and detached keyboard. Can accommodate up to two add-on terminals (see below). Retail was \$11,995. Sale price \$2,495.
- Vector 5005, 5010 or 5032 Add-on Terminals - for above computers. Includes 64K RAM. Retail is \$1,685. Sale price \$695. new, \$495. used.
- Vector 5005E, 5010E or 5032E Add-on Terminals - for above computers. Includes 64K RAM. Retail is \$1,685. Sale price \$695. new, \$495. used.
- * NEW Vector VSX-3000 - 1 720K IBM compatible soft sector drive, 10Mb hard disk, 128K RAM, CP/M-86 and MS DOS. Retail for \$5,995. Sale price \$2,995.
- * NEW Vector VSX-4500 - 1 720K IBM compatible soft sector drive, 28Mb hard disk, 128K RAM, CP/M-86 and MS DOS. Retail for \$7,795. Sale Price \$3,495.
- * NEW Vector VSX-5000 - 1 720K IBM compatible soft sector drive, 36Mb hard disk, 128K RAM, CP/M-86 and MS DOS. Retail for \$9,995. Sale price \$3,995.
- * NEW Vector VMX-5000/2 - 1 720K IBM compatible soft sector drive, 36Mb hard disk, 640K RAM, CCP/M-86 and MS DOS. Retail for \$10,980. as a two station multi-user, multi-tasking system (with expansion capabilities to four stations at \$595. each station). Sale price \$4,995.
- USED Vector Tape Backup - for 5005, 5010, 5032, 1600, 2600, 3005, 3032 (all Vector 3's & 5's) and Vector 4/4S. Retail was \$2,995. Sale price \$1,295.
- NEW Tape Backup - for all Vector 3, Vector 5 and Vector 4 Computers. Sale price \$1,995.

PRINTERS

- NEW Epson Printers - all models. Call Jeff for a quote.
- USED Comrex-CR1 Letter Quality Printer - 20 CPS. Very reliable, uses IBM Selectric II Ribbons. 1.7K buffer. Serial interface with cable. Sale price \$595.
- ALMOST NEW Diablo P38 High Speed Dot Matrix Parallel Printer - 400 CPS. Very fast (4-5 lines per second). Includes cable. Sale price \$1295.
- USED Vector 7700 Letter Quality Printer - 55 CPS for V3 or V4. Comes with forms tractor & cable. Retail for \$3,150. Sale price \$995.
- USED TI810 Fully Enhanced Dot Matrix Printer - includes tractor. A fast 150 CPS. Known for high reliability. Has excellent letter quality and compressed print. Sale price \$1195.
- NEW TI865 Dot Matrix Printer - includes tractor. 150 CPS. Uses 14 7/8" wide paper, has compressed print. Plug-in cartridges provide the best near-letter quality available in the industry. Sale price \$849.

NEW Diablo 635 Letter Quality Printer - 55 CPS. Fast, quiet and a good value for a fast, top-of-the-line (by Xerox Corp.) letter quality printer. **Sale price \$1,395.**

SOFTWARE

* **MAILPLUS** - Enhancement to Memorite Mail List Program you've been waiting for. **Retails for \$199. Sale price \$99.**

Vector 4 Memorite III Reference Guide (new) - **Price \$36.**

Vector 4 Memorite III Tutorial Approach Guide (new) - **Price \$24.**

Vector 3 Memorite III Tutorial Approach Guide - Vector 3 version. **Price \$19.**

* **DateMaster** - calendaring and appointment software for the Vector 4 or Vector 3, 5 or 5E with extended CP/M. **Retails for \$295. Sale price \$45.**

DataManagr - data base management software. **Retails for \$495. Sale price \$149.**

TIM III - data base management software. **Retails for \$495. Sale price \$149.**

* **CONNECT** - communications software from Vector. **Retails for \$150. Sale price \$49.**

dBASE II - data base management software. **Retails for \$495. Sale price \$395.**

MOVE-IT - communications software (the best). **Sale price \$175.**

Peachtree Accounts Receivable, Accounts Payable, General Ledger, Payroll and Inventory Control Modules - **Retails for \$595, per module. Sale price \$195.**

Memorite III - word processing software. **Retails for \$450. Sale price \$95.**

ExecuPlan II - electronic spreadsheet. **Retails for \$195. Sale price \$49.**

Accuchart - business chart plotting on Vector 7700 printers and other letter quality and dot matrix printers. **Retails for \$295. Sale price \$95.**

V4 CP/M-86 - includes Vector 4 CP/M-86 programming manual and disk. **Retails for \$150. Sale price \$25.**

C Language Compiler, Lattice 2.12 (CP/M-86 ver.) - with manual. **Sale price \$195.**

EXPANSION HARDWARE

USED Vector Tape Backup - for 5005, 5010, 5032, 1600, 2600, 3005, 3032 (all Vector 3's) and Vector 4/4S. **Retail was \$2,995. Sale price \$1,295.**

NEW Tape Backup - for all Vector 3, Vector 5 and Vector 4 Computers. **Sale price \$1,995.**

Hard Disk Upgrades - add a 5, 10, 32 or 36 megabyte hard drive to your single or dual floppy computer (1600, 2600, 4/20, etc.). Replace the drive in your 5 megabyte computer (3005, 5005, 4/30, etc.) with a 10 megabyte drive. Call for a price quote or see previous newsletter's prices.

5005, 5010 or 5032 Add-on Terminals - includes 64K RAM. **Retails for \$1,685. Sale price \$695. new, \$495. used.** Also "E" series at same prices.

Wyse 75 CRT - for VMX multi-user, and most non-Vector computer systems. Includes cable. **Retails for \$845. Sale price \$595.**

Hazeltine 1500 CRT - Includes cable. **Sale price \$99.**

USED Sheetfeeder for Qume Sprint 3 Printer - **Retail was \$1,295. Sale price \$195.**

Vector 3 Extended CP/M Upgrade - convert your Vector 3 to a 128K system. **Retails for \$650. Sale price \$400.**

USED Hard Sector Floppy Drive - upgrade your single floppy Vector 3 (VIP or 1600) to a dual drive 2600. Reduces floppy backup hassle and adds utility and capacity to, e.g., Memorite III. **Retails for \$1,200. Sale price \$495.**

USED Dual Drive Unit - upgrade your System B or MZ to 3 or 4 drives. **Sale price \$295. per extra drive.**

NEW Oxford Copy Holders - **Retails for \$40. Sale price \$15.**

Turntable - position your computer or terminal for comfort for yourself or turn around to that other user. **Retails for \$45. Sale price \$18.**

SUPPLIES

Continuous Tractor Feed Paper - 12" x 8 1/2" tears down to 8 1/2" x 11", fits in your printer as 11" wide and 8 1/2" length instead of the 8 1/2" wide and 11" length. **MCR (carbonless) 3-part \$14./box. Plain (normal) 1-part \$15./box.**